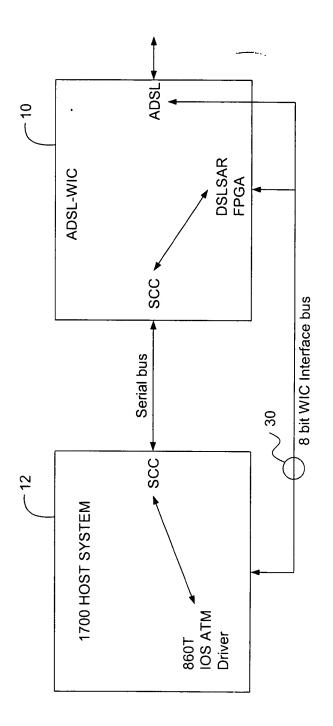
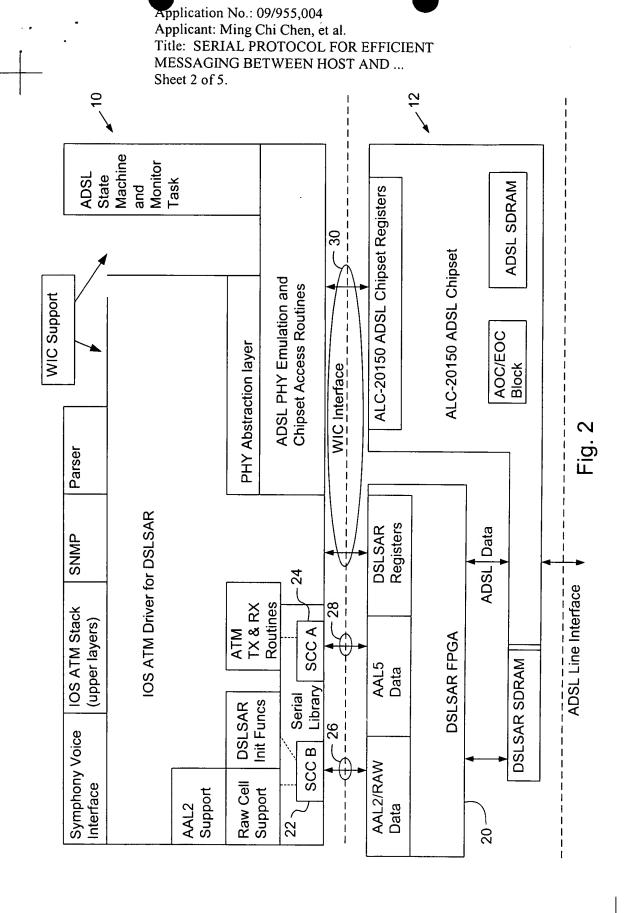
Application No.: 09/955,004
Applicant: Ming Chi Chen, et al.
Title: SERIAL PROTOCOL FOR EFFICIENT

MESSAGING BETWEEN HOST AND ... Sheet 1 of 5.



A 50,000 FT. OVERVIEW OF THE SYSTEM



Application No.: 09/955,004
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Title: SERIAL PROTOCOL FOR EFFICIENT
MESSAGING BETWEEN HOST AND ... Sheet 3 of 5. DSLSAR RXD CLK BRG CD BRG RTS RXD CD TXD 860 HOST CTS=1

Serial Communication

Application No.: 09/955,004 Applicant: Ming Chi Chen

Title: SERIAL PROTOCOL FOR EFFICIENT MESSAGING BETWEEN HOST AND ...

Sheet 4 of 5.

Opening Flag	Command Opcode	(optional) Parameters	(optional) Data
0x7E	8 bits		

Fig. 4A

Ope	ning Flag	Command Opcode	Length	Address	Data
	0x7E	0x01	16 bits	32 bits	Length * 8 bits

Fig. 4B

Opening Flag	Command Opcode	Length 🕈	Address
0x7E	0x02	16 bits	32 bits

Fig. 4C

ĺ	Opening Flag	Command Opcode	Open/Close, Address
l	0x7E	0x08	32 bits

Fig. 4D

Command	(optional) More Commands	CRC
0x7E, Opcode, etc	0x7E, Opcode, etc	16 bits

Fig. 4E

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Title: SERIAL PROTOCOL FOR EFFICIENT MESSAGING BETWEEN HOST AND ...

Sheet 5 of 5.

hex 7E80 (16 bits)
4*(N+4) (16 bits)
4 longwords
N longwords
16 bits

Fig. 4F

ID Word	hex 7E81 (16 bits)
Length	hex 0038 (16 bits)
Raw Cell	14 longwords
CRC-16	16 bits

Fig. 4G

ID Word	hex 7E82 (16 bits)
Length	hex 0008 (16 bits)
TSQE	2 longwords
CRC-16	16 bits

Fig. 4H

ID Word	hex 7E02 (16 bits)
Length	4*(N+1) (16 bits)
Address	1 longword
Data	N longwords
CRC-16	16 bits

Fig. 4I